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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/673,665
Filing Date	September 30, 2003
First Named Inventor	Philippe Diehl
Art Unit	2661
Examiner Name	TBA
Attorney Docket Number	003921.00139

### ENCLOSURES (check all that apply)

- |   |  |  |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
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### Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Banner & Witcoff, LTD.		
Signature			
Printed Name	Ross A. Dannenberg		
Date	February 24, 2005	Reg. No.	49,024

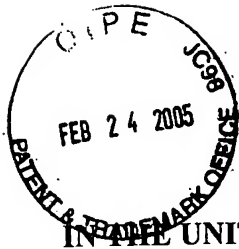
### CERTIFICATE OF TRANSMISSION/MAILING

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Philippe Diehl et al.

Serial No.: 10/673,665

Filed: September 30, 2003

For: Message-Based Low Latency  
Circuit Emulation Signal  
Transfer

Group Art Unit: 2661

Examiner: TBA

Atty. Dkt. No. 003921.00139

### INFORMATION DISCLOSURE STATEMENT

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In accordance with 37 C.F.R. § 1.56 and 1.97, Applicant(s) provides the following for consideration by the Office during examination of the above-captioned application. This submission is not intended as an admission that any submitted document or reference constitutes prior art against the claims of the present application. Applicant(s) do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicant(s) hereby make the following statements, if checked:

☒ Enclosed is a PTO Form PTO/SB/08a listing art for consideration by the Examiner, and a copy of each of the identified documents is included if presently required by Office rules and regulations.


☐ Pursuant to 37 C.F.R. § 1.97 (b) (1), the undersigned states that the present information disclosure statement is being filed within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53 (d).

- ☐ Pursuant to 37 C.F.R. § 1.97 (b) (2), the undersigned states that the present information disclosure statement is being filed within three months of the date of entry of a national stage as set forth in 37 C.F.R. § 1.491 in an international application.
- ☒ Pursuant to 37 C.F.R. § 1.97 (b) (3), the undersigned states that the present information disclosure statement is being filed before the mailing of a first Office action.
- ☐ Pursuant to 37 C.F.R. § 1.97 (b) (4), the undersigned states that the present information disclosure statement is being filed before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.
- ☐ Pursuant to 37 C.F.R. § 1.97 (e) (1), the undersigned states that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ Pursuant to 37 C.F.R. § 1.97 (e) (2), the undersigned states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned, upon reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.
- ☐ Pursuant to 37 C.F.R. § 1.704 (d), the undersigned states that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and that the communication was not received by any individual designated in § 1.56 (c) more than thirty days prior to the filing of this information disclosure statement.
- 
- ☒ It is believed no fee is required to make this a complete and timely filing. However, if a fee is required, please charge our Deposit Account No. 19-0733.
- ☐ The undersigned hereby authorizes the Office to charge the fee pursuant to 37 C.F.R. § 1.17 (p) to our Deposit Account 19-0733.

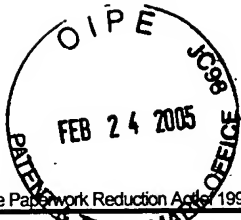
Consideration of this information is respectfully requested, with citation thereto on the face of the issued patent as applicable.

Respectfully submitted,  
**BANNER & WITCOFF, LTD.**

Dated: Feb. 24, 2005

By:   
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RAD/mmd



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/673,665
Filing Date	September 30, 2003
First Named Inventor	Philippe Diehl
Art Unit	2661
Examiner Name	TBA
Attorney Docket Number	003921.00139

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 6,473,726	10-29-2002	Reblewski	
		US-6,265,894	07-24-2001	Reblewski et al.	
		US- 6,184,707	02-06-2001	Norman et al.	
		US- 5,821,773	10-13-1998	Norman et al.	
		US- 5,777,489	07-07-1998	Barbier et al.	
		US- 5,109,353	04-28-1992	Sample et al.	
		US- 5,036,473	07-30-1991	Butts et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 94/06210	03-17-1994	Prabhakar Goel		
		EP 0 651 343	05-03-95	Quickturn Systems, Inc.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHARLES CLOS, "A Study of Non-Blocking Switching Networks", The Bell System Technical Journal, March 1953, pages 406-424	
		WERNER ERHARD et al., "First Steps towards a Reconfigurable Asynchronous System", Friedrich-Schiller University Jena, Department of Computer Science, IEEE International Workshop on Rapid System Prototyping, June 1999, pages 28-31	
		FATIH KOCAN et al., "Concurrent D-Algorithm on Reconfigurable Hardware", IEEE 1999, pages 152-155	
		JACK JEAN et al., "Dynamic Reconfiguration to Support Concurrent Applications", IEEE Transactions Of Computers, Vol. 48, No. 6, June 1999, pages 591-602	
		BERNARD BOSI et al., "Reconfigurable Pipelined 2-D Convolvers for Fast Digital Signal Processing", IEEE Transactions on Very Large Scale Integration (VLSI) Systems, Vol. 7, No. 3, September 1999, pages 299-308	
		A. EJNIOUI et al., "Design Partitioning on Single-Chip Emulation Systems", Center for Microelectronics Research, Dept. of CSE, University of South Florida, 13 <sup>th</sup> International Conference on VLSI Design, 2000, pages 234-239	
		GREG SNIDER, "The Teramac Compiler", Hewlett-Packard, 1996, pages 1-51	
		Xilinx, "Programmable Gate Array Design Handbook", First Edition, 1986, pages i-A10	
		JONATHAN BABB, et al., "Logic Emulation with Virtual Wires", IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, June 1997, pages 1-20	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP-609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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